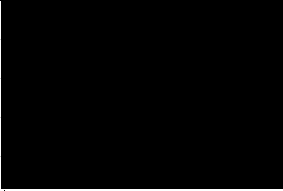


US EPA ARCHIVE DOCUMENT

<b>1. Incident Name</b>		<b>2. Date Prepared</b>		<b>3. Time Prepared</b>		<b>UNIT LOG ICS 214</b>																																																	
Kalamazoo River/Enbridge Spill		07/16/2012		1700																																																			
<b>4. Unit Name/Designators</b>		<b>5. Unit Leader</b>			<b>6. Operational Period :</b>																																																		
Operations Unit/Containment Branch Monitoring Group		<b>Name:</b>		Dan Capone & Joe Victory (START/US EPA)		<b>From:</b>	07/16/2012 0600																																																
		<b>Position:</b>		Operations Section Chief		<b>To:</b>	07/16/2012 1545																																																
<b>7. Personnel Roster Assigned</b>																																																							
<b>Name</b>		<b>ICS Position</b>			<b>DUTY CELL</b>																																																		
Dan Capone		Operations Section Chief																																																					
Joe Victory		Operations Section Chief																																																					
Rex Johnson		Deputy Director																																																					
Dan Zahner		Field Team Lead																																																					
Karen Berez		CBM Team 1																																																					
<b>8. Activity Log</b>																																																							
<b>Activity Area</b>					<b>LAT</b>	<b>LAT</b>																																																	
					<b>Various</b>	<b>Various</b>																																																	
					(DD.MMMM)	(DD.MMMM)																																																	
<b><u>OIL OBSERVED</u></b>		<b><u>EXTENT OF OIL IMPACTED AREA</u></b>																																																					
		<b><u>DENSITY OF OIL /SHEEN</u></b>																																																					
<b>Total Collection Points</b>																																																							
<b>Total Boom Deployed</b>																																																							
<b>Activity</b>		<p><b><u>Weston/START Containment Branch Monitoring Group (CBM) Team Activity:</u></b></p> <p>Karen Berez and David Pesses conducted (1) Control &amp; Containment Point inspections at shoreline locations at Talmadge Creek. (2) Control &amp; Containment Point inspections at shoreline and overbank locations from Talmadge Creek and Kalamazoo River mile post 0.00 through 40.00. (3) Water &amp; Sediment Temperature &amp; Level Readings.</p> <ul style="list-style-type: none"> <li>• 0630: Meeting with EPA, START, and Enbridge contractors to discuss Containment Operations.</li> <li>• 0750- 1545: START and LBG members conducted inspections. Observations and recommended actions were logged in the START CBM Team 1 log book, as well as discussed with David Pesses. David Pesses informed Enbridge contractors to make recommended actions.</li> </ul> <p><b><u>WATER/SEDIMENT TEMPERATURE AND LEVEL READINGS:</u></b></p> <table border="1"> <thead> <tr> <th>LOCATION</th> <th>WATER TEMP</th> <th>SEDIMENT TEMP</th> <th>WATER LEVEL</th> </tr> </thead> <tbody> <tr> <td>MP 2.25 (C 0.0 Launch)</td> <td>83.83</td> <td>80.44</td> <td>3.1</td> </tr> <tr> <td>MP 5.25 (C0.4 Launch)</td> <td>86.10</td> <td>80.81</td> <td>1.2</td> </tr> <tr> <td>MP 10.0 (C3.2 Launch)</td> <td>84.44</td> <td>80.12</td> <td>1.3</td> </tr> <tr> <td>MP 15.0 (C5 Launch)</td> <td>82.78</td> <td>81.15</td> <td></td> </tr> <tr> <td>MP 18.75 (D2 Launch)</td> <td>82.01</td> <td>78.15</td> <td>0.7</td> </tr> <tr> <td>MP 21.5 (D5)</td> <td>79.76</td> <td>77.70</td> <td>3.7</td> </tr> <tr> <td>MP 27.0 (E0.5 Launch)</td> <td>79.09</td> <td>79.56</td> <td>0.0</td> </tr> <tr> <td>MP 30.0 (E2 Launch)</td> <td>78.31</td> <td>72.78</td> <td>0.0</td> </tr> <tr> <td>MP 35.0 (E3 Launch)</td> <td>74.08</td> <td>67.81</td> <td>0.0</td> </tr> <tr> <td>MP 38.0 (E4 Launch)</td> <td>78.95</td> <td>79.19</td> <td>1.2</td> </tr> <tr> <td><b>AVERAGE</b></td> <td><b>80.94</b></td> <td><b>77.77</b></td> <td></td> </tr> </tbody> </table>						LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL	MP 2.25 (C 0.0 Launch)	83.83	80.44	3.1	MP 5.25 (C0.4 Launch)	86.10	80.81	1.2	MP 10.0 (C3.2 Launch)	84.44	80.12	1.3	MP 15.0 (C5 Launch)	82.78	81.15		MP 18.75 (D2 Launch)	82.01	78.15	0.7	MP 21.5 (D5)	79.76	77.70	3.7	MP 27.0 (E0.5 Launch)	79.09	79.56	0.0	MP 30.0 (E2 Launch)	78.31	72.78	0.0	MP 35.0 (E3 Launch)	74.08	67.81	0.0	MP 38.0 (E4 Launch)	78.95	79.19	1.2	<b>AVERAGE</b>	<b>80.94</b>	<b>77.77</b>	
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**WEEKLY/AFTER RAIN EVENT INSPECTION:**

**Talmadge Creek:** (11) Pom-Poms deployed at 7 culvert locations:

MP 0.00: Upstream of source:

MP 0.04: Below Source (Culvert 1):

MP 0.27: Between Source & Division Road (Culvert 2):

MP 0.50: Division Road (Culvert 3): MP 0.74: Hillbilly Road (Culvert 4):

MP 1.09: 16 Mile Road (Culvert 5):

MP 1.28: 15 ½-Mile Road (Culvert 6):

MP 1.57: B4.5 (Culvert 7):

MP 1.77: Saylor's Property (Culvert 8):

MP 1.99: A Drive North (Culvert 9):

MP 2.02: Talmadge Creek before Confluence:

**DAILY CONTAINMENT MONITORING:**

**Kalamazoo River:** Control (CT) & Containment (CTM) Points (14) deployed are:

MP 5.75 (Ceresco Dam): Moderate amounts of silver and rainbow oil sheen streamers and oil globules observed along control. Heavy amounts of organic matter still collecting along control point, but no pungent odor was in the air.

MP 8.50 L3 (8.48 LDB):

MP 8.75 R1:

MP 9.00 I2 (8.97I):

MP 10.75 LDB:

MP 11.75 L2 (11.79 LDB):

MP 14.75 RDB:

MP 15.65 (Battle Creek Spillway):

MP 21.50 (Oxbow): Moderate amount of silver oil sheen streamers and occasional oil globules observed off RDB on river from east of Custer Dr. bridge to upstream end of oxbow. Location is on sheen sweep boat daily tasking list for sheen management.

MP 37.75 (E4): Observation was made from north shore (RDB) at boat launch. Slight streamers of silver oil sheen and occasional oil globule observed in collection location on control point and along shoreline at collection area. Area of sheen is 5' x 20' = 100 sq. ft.

**RIVER REOPENING MILE POSTS:**

MP -2.70 to MP 2.25:

MP 2.25 to MP 5.90:

MP 5.90 to MP 9.50:

MP 9.50 to MP 13.75:

MP 13.75 to MP 15.65:

MP 15.65 to MP 18.75:

MP 18.75 to MP 30.00:

MP 30.00 to MP 35.25:

MP 35.25 to MP 37.75:

MP 37.75 to MP 40.00:

Total sheen in control points: 100 sq. ft.

Total sheen within containment: 0 sq. ft.

Total Sheen: 100 sq. ft.

	<p><b><u>Helicopter Fly-Over Pictures:</u></b></p> <p>CBM 1 had no Situation Photo Log pictures to inspect today.</p>
<b>Health and Safety Issues</b>	None
<b>Comments</b>	<p>MP 5.25 to MP 5.65: Moderate to heavy amounts of silver oil and rainbow sheen streamers and oil globules observed along LDB, cove area prior to former rail road trestles and just beyond railroad trestle location.</p> <p>MP 5.60 to Control Point: Moderate amounts of silver oil streamers and oil globules observed along RDB.</p> <p>MP 5.80 (Portage below Ceresco Dam): Random streamers of silver oil sheen and occasional oil globule observed off LDB eddying in area.</p> <p>MP 15.00 (Mill Ponds): Very slight amount of silver oil sheen streamers and very random oil globules observed floating from south mill pond onto river. Sheen sweep boat at location performing sheen management.</p>